

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET (pursuant to NAC 445A.236)

Permittee Name: Longstreet Inn & Casino
HC 70 Box 559
Amargosa Valley, Nye County, NV 89020

Permit Number: NEV95004

General:

The Permittee owns and operates the Longstreet Inn and Casino, located on State Highway 373 near the Nevada/California state line. The complex houses a 60 room motel, a 51-space RV park with shower and laundry facilities, a restaurant, a bar and a casino. Wastewater from the complex is treated in an onsite sewage treatment facility. The facility is comprised of an aerated lagoon, followed by three (3) percolation/evaporation ponds. The four ponds are constructed of engineered soil with permeability of approximately 1.0×10^{-7} cm/sec. Each of the identical square treatment ponds is trapezoidal in cross section; the bottom dimension is 88 feet, and the dimension at the crest is 105 feet, with sides sloped at 3:1. The typical operating depth is four (4) feet.

Receiving Water Characteristics:

The receiving water for this permit is groundwater, which is located approximately 35 feet below ground surface. Groundwater is monitored at two locations on site. Quarterly monitoring well samples indicate: Chlorides typically range from 12 mg/l to 25 mg/l; total dissolved solids (TDS) typically ranges from 400 mg/l to 500 mg/l; and total nitrogen as N is typically close to 1 mg/l.

The effluent is discharged to groundwater of the State through percolation. Groundwater Monitoring wells MW-1 and MW-2 have shown no impact to groundwaters of the State.

Effluent Characteristics:

The permitted 30-day average flow is 40,000 gallons per day (0.040 MGD). During the term of the current permit, the average flow has been 11,563 gallons per day. During the term of the current permit, the Permittee has not exceeded the permit loading limitation of 178 pounds/acre/day. The average effluent pH was 8.45. The pH exceeded the permit limitation of 9.0 Standard Units on six occasions during the term of the current permit.. The pH incursions are believed largely due to algal growth.

Proposed Determination:

The Division has made the determination to issue the proposed permit, which includes certain modifications to the monitoring and reporting requirements, for a five-year period.

Proposed Effluent Limitations:

NDEP proposes the following effluent limitations and monitoring requirements:

TABLE I.1: Effluent Limitations

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Quarterly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD)	0.040	M&R	Continuous	Pump Timers
BOD ₅ ⁽¹⁾ (mg/l) Influent Effluent	Monitor & Report 30	Monitor & Report 45	Monthly	Discrete
TSS ⁽²⁾ (mg/l) Influent Effluent	M & R M & R	M & R 90 mg/l	Monthly	Discrete

(1) Five Day Biological Oxygen Demand

(2) Total Suspended Solids

Monitor wells MW-1 and MW-2 shall be limited and monitored as follows:

TABLE I.2: Groundwater Monitoring

Parameter	Sample Max	Frequency	Sample Type
Depth to Groundwater (feet)	Monitor and Report	Quarterly	Measurement
Groundwater Elevation (feet AMSL)	Monitor and Report	Quarterly	Calculate
Chlorides (mg/l)	Monitor and Report	Quarterly	Discrete
Total Dissolved Solids (mg/l)	Monitor and Report	Quarterly	Discrete
Nitrate as N (mg/l)	Monitor and Report	Quarterly	Discrete
Total Nitrogen as N (mg/l)	10.0	Quarterly	Discrete

Schedule of Compliance:

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications that the Administrator may make in approving the schedule of compliance. The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.

Rationale for Permit Requirements:

Permit limitations are based on pond/lagoon system secondary treatment. Monitoring of flow rate, influent BOD₅ and TSS, effluent BOD₅ and TSS, and flow stream pH are required to assess the level of treatment being provided and to determine when design capacity is being approached.

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada, subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal** and **Pahrump Valley Times** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator. **All comments must be received by NDEP by 5:00 pm, April 22, 2005.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Prepared by: Janine O. Hartley
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